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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/711,507	09/23/2004	Chia-Ling Huang	MTKP0078USA	5506	
NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION P.O. BOX 506			EXAMINER		
			TRAN, THANG V		
MERRIFIELD, VA 22116			ART UNIT	PAPER NUMBER	
	•		2627		
			NOTIFICATION DATE	DELIVERY MODE	
			06/04/2007	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

winstonhsu.uspto@gmail.com
Patent.admin.uspto.Rcv@naipo.com
mis.ap.uspto@naipo.com.tw

		Application No.	Ampliannita			
		Application No.	Applicant(s)			
Office Action Summary		10/711,507	HUANG, CHIA-LING			
		Examiner	Art Unit			
		Thang V. Tran	2627			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address			
VVHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timus will apply and will expire SIX (6) MONTHS from a cause the application to become ARANDONE.	Note: The state of this communication. On (35 U.S.C. & 133)			
Status						
1)[\]	Responsive to communication(s) filed on 16 M	arch 2007				
		action is non-final.				
	Since this application is in condition for allowar		esocution as to the morite is			
٠/ـــا	closed in accordance with the practice under E					
Dispositi	ion of Claims	n parto Quayio, 1000 0.D. 11, 40	0.0.210.			
	Claim(s) <u>1-18</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.					
	Claim(s) <u>1-12</u> is/are allowed.					
	Claim(s) 13-16 is/are rejected.					
	Claim(s) <u>17 and 18</u> is/are objected to.					
	Claim(s) are subject to restriction and/or	election requirement				
		election requirement.				
	on Papers					
	The specification is objected to by the Examine					
10)⊠	The drawing(s) filed on <u>23 September 2004</u> is/a					
	Applicant may not request that any objection to the					
44)	Replacement drawing sheet(s) including the correcti					
11)[_]	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.			
Priority u	ınder 35 U.S.C. § 119					
	12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:					
	1. Certified copies of the priority documents have been received.					
	2. Certified copies of the priority documents	• •				
	3. Copies of the certified copies of the prior		d in this National Stage			
	application from the International Bureau					
* S	ee the attached detailed Office action for a list of	of the certified copies not receive	d.			
Attachmen	t(s)					
	e of References Cited (PTO-892)	4) Interview Summary				
	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/Mail Da 5) Notice of Informal Pa				
	r No(s)/Mail Date	6) Other:	Activity producti			

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An amendment dated 3/16/07 has been considered with the following results:

Claim Objections – 37 CFR 1.75(a)

1. Claims 13-18 are objected to under 37 CFR 1.75(a) for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 13:

The claim recites that "a stepping motor electrically connected to the sled for driving the sled to move the pick-up head and stopping the sled and the pick-up head when a shift distance is lower than a predetermined range", lines 5-7; however, it is unclear form the claim as to what a shift distance is, what source generates this shift distance, and how the stepping motor recognizes when this shift distance is lower than a predetermined range so that it can stop the sled and the pick-up head.

In claim 17:

The claim recited that "a stepping motor ... the target position", lines 5-9; however, it is unclear form the claim as to what a shift distance is, what source generates this shift distance, and how the stepping motor recognizes when this shift distance is greater or lower than a predetermined range so that it can move or stop the sled and the pick-up head.

In claim 18:

The claim recited that "stopping utilizing the a stepping motor ... the number of steps", lines 8-14; however, it is unclear form the claim as to what a shift distance is, what source or step generates this shift distance, and how the stepping motor recognizes when this shift distance is greater or lower than a predetermined shift range so that it can move or stop the pick-up head. Also, the term "the shift distance", lines 8-9, has no antecedent basis.

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Claims 14-16 fall with their respective parent claim.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-16 are rejected under 35 U.S.C. 102(e) as being anticipated by Lim (US 6,693,861).

Regarding claim 13, Lim, according to Figs. 3-7, discloses an optical storage system comprising: a sled inherently placed movably in the optical storage system; a pick-up head (2) placed on the sled; an object lens (see objective lens in the pick-up head 2) placed movably on the pick-up head; a stepping motor (110) electrically connected to the sled for driving the sled to move the pick-up head and stopping the sled and the pick-up head when a shift distance (deviation distance) is lower than a predetermined range (threshold range), and a control module (8, 19) electrically connected to the stepping motor, the pick-up head, and the object lens for controlling operations of the stepping motor, the pick-up head, and the object lens (see Fig. 3 and further notice that the sled and the pickup only move when the deviation exceeds the threshold range, and if the deviation remains within the threshold range, no action is performed by the motor, and inherently the sled and the pickup head is not moved when the deviation remains within the threshold range (see column 3, lines 40 to column 4, line 27).

Regarding claims 14 and 15, see column 3, line 40 to column 4, line 23, for limitations recited in this claim.

Regarding claim 16, the step motor 110 is uses to move to pickup to a predetermined initial position for performing data reproduction, column 3, lines 36-39, and such moving performed by the step motor is interpreted as short seek as recited in this claim.

Allowable Subject Matter

- 4. Claims 1-12 are allowable over the prior art of record as for the reasons provided by Applicant in the Remarks dated 3/16/07 and the reasons previously given by the examiner in the last office action dated 12/18/06.
- 5. Claims 17 and 18 would be allowable if rewritten or amended to overcome the objection to under 37 CFR 1.75(a), set forth in this Office action.

Claims 17 and 18 are allowable over the prior art of record because the prior art of record, considered alone or in combination, fails to suggest or fairly teach an optical storage system including a combination of: a stepping motor, electrically connected to a sled, for driving the sled to move a pick-up head if a shift distance is greater than a predetermined range and an object lens has not reached a target position, and stopping the sled and the pick-up head when the shift distance is lower than the predetermined range and the object lens has not reached the target position; and a control module electrically connected to the stepping motor, the pick-up head, and the object lens for calculating a number of steps that the stepping motor should rotate and controlling operations of the stepping motor, the pick-up head, and the object lens, as recited in claim 17; or a method for controlling a stepping motor in an optical storage system including a combination of the following steps: calculating a number of steps that a stepping motor should

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rotate; moving a pick-up head toward a target position by having the stepping motor rotate according to the number of steps; moving an object lens toward a target track; stopping utilizing the stepping motor to move the pick-up head if a shift distance is lower than a predetermined shift range, while the object lens has not reached the target track, and the stepping motor has not rotated according to the number of steps; and utilizing the stepping motor to move the pick-up head if the shift distance is greater than the predetermined shift range, while the object lens has not reached the target track, and the stepping motor has not rotated according to the number of steps, as recited in claim 18.

Response to Arguments

- 6. Applicant's arguments with respect to claimed invention have been considered but are most in view of the new ground(s) of rejection.
- 7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thang V. Tran whose telephone number is (571) 272-7595. The examiner can normally be reached on M-F 9:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nguyen Hoa can be reached on (571) 272-7579. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Thang . Tran
Primary Examiner
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